

ABSTRACT OF THE DISCLOSURE

Crane apparatus is equipped with a container security scanning system for scanning containers for radioactive material, such as neutron or gamma ray emissions. The crane apparatus has a crane for unloading containers from a marine vessel and placing the containers on a deck located at the portal girder level of the crane and for transferring the containers from the deck to another location. The container security scanning system comprises one or more scanning units disposed on the deck, each scanning unit having one or more scanning platforms for supporting a container such that a bottom of the container is vertically spaced from the deck. A scanning device is movable beneath the container in a space between the underside of the scanning platforms and the deck for scanning the container to detect whether radioactive material is present. Existing cranes can be retrofitted with the container security scanning system, and newly manufactured cranes can be upgraded to include such a system.